

### In the Claims

Applicant has submitted a new complete claim set showing amended claims with insertions indicated by underlining and deletions indicated by strikeouts and/or double bracketing.

Please cancel claims 1-11 and 14-24 without prejudice or disclaimer.

Please amend pending claims 13 and 26 as noted below.

1.-11. (Cancelled)

12. (Original) Method for determining a calibrated value for a yaw angle of a satellite, comprising the steps of:

storing a yaw angle profile over a quiet orbit,

determining a sample yaw angle at a calibration time (t0),

determining a calibrated value by subtracting the sample yaw angle with a yaw angle profile value having a time shift in the yaw angle profile corresponding to the calibration time (t0).

13. (Currently amended) Method for determining a calibrated value for a yaw angle of a satellite having angle sensors on board, comprising:

storing for each of the angle sensor ~~sensors~~ on board ~~of the~~ satellite a profile over a quiet orbit,

determining a sample value for each of the angle sensors at a calibration time (t0),

determining calibrated values for each of the angle sensor ~~sensors~~ by subtracting the sample values with a an angle sensor profile value having a time shift in the respective angle sensor profile corresponding to the calibration time (t0), and

determining a calibrated value for a yaw angle with calibrated values for each of the angle sensor ~~sensors~~.

14.-24. (Cancelled)

25. (Original) Apparatus for determining a calibrated value for a yaw angle of a satellite, comprising:

means for storing a yaw angle profile over a quiet orbit,  
means for determining a sample yaw angle at a calibration time ( $t_0$ ),  
means for determining a calibrated value by subtracting the sample yaw angle with a yaw angle profile value having a time shift in the yaw angle profile corresponding to the calibration time ( $t_0$ ).

26. (Currently amended) Apparatus for determining a calibrated value for a yaw angle of a satellite having angle sensors on board, comprising:

means for storing for each of the ~~angle sensor~~ sensors on board ~~of~~ the satellite a profile over a quiet orbit,

means for determining a sample value for each of the angle sensors at a calibration time ( $t_0$ ),

means for determining calibrated values for each of the ~~angle sensor~~ sensors by subtracting the sample values with ~~a~~ an angle sensor profile value having a time shift in the respective angle sensor profile corresponding to the calibration time ( $t_0$ ), and

means for determining a calibrated value for a yaw angle with calibrated values for each of the ~~angle sensor~~ sensors.